

# The Longleaf Pine Ecosystem: An Assessment of Current Conditions



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and

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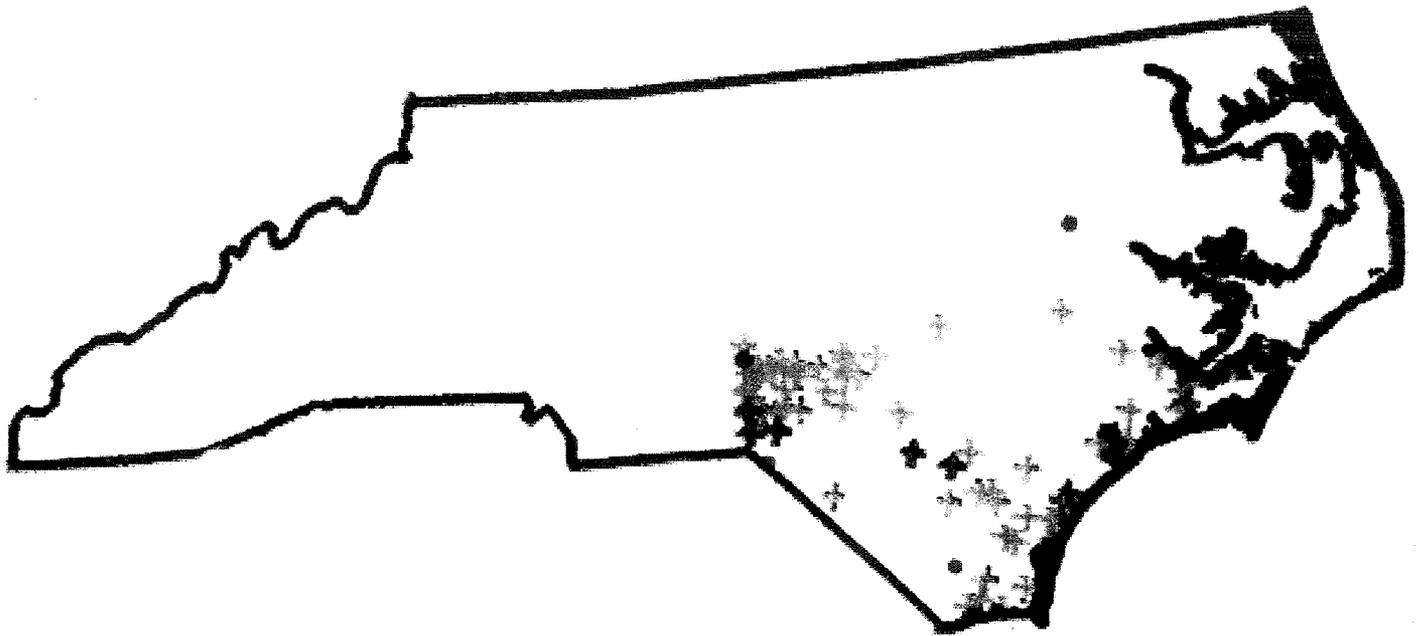
## **PREFACE**

This document is based on information gathered by the Forest Inventory and Analysis units of the Southeastern and Southern Forest Experiment Stations, USDA Forest Service. The considerable contribution to this report made by Noel Cost, John Kelly, and Larry Westrick of these units, who supplied the overall distribution map and the data for the figures, is gratefully acknowledged. Data from sample plots were used to estimate the total amount of longleaf pine left in the Southern United States. Because of the cycle of inventory across states, data is from 2 to 6 years old. The sampling intensity varies somewhat from state to state but each sample plot represents about 3100 acres. For a detailed explanation of plot location and sampling see Hansen and others (1992).

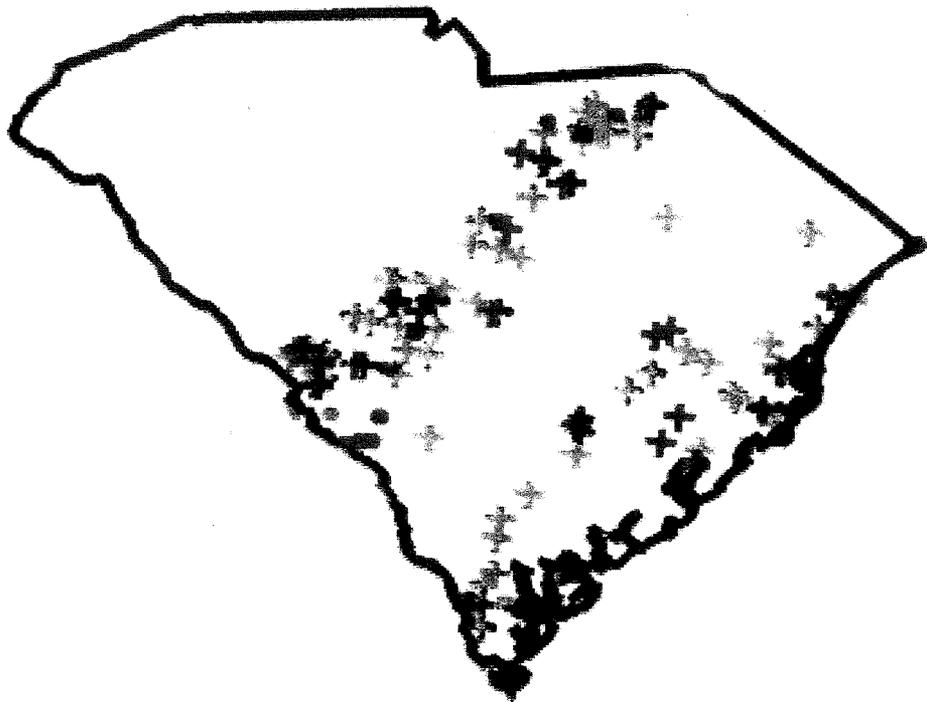
Figures in this document were created by Patricia A. Outcalt.

The cover photo is the Wade property located near Thomasville, GA and is courtesy of Tall Timbers Research Station located in Tallahassee, FL.

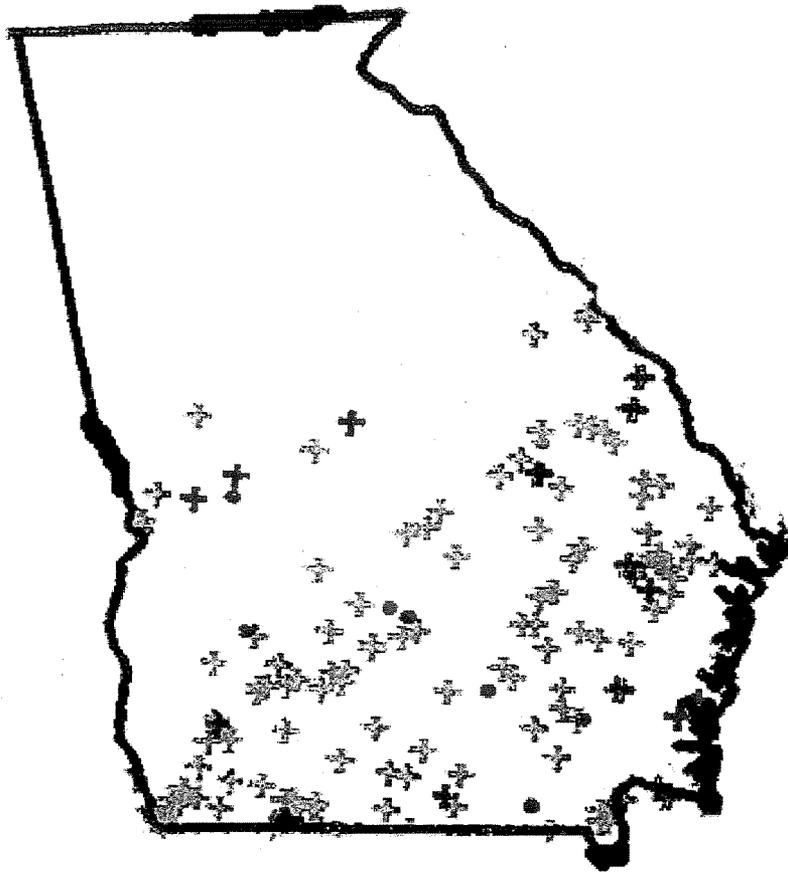
FIGURE 1b. NORTH CAROLINA LONGLEAF PINE STANDS



**FIGURE 1c. SOUTH CAROLINA LONGLEAF PINE STANDS**



**FIGURE 1d. GEORGIA LONGLEAF PINE STANDS**



**FIGURE 1e. FLORIDA LONGLEAF PINE STANDS**

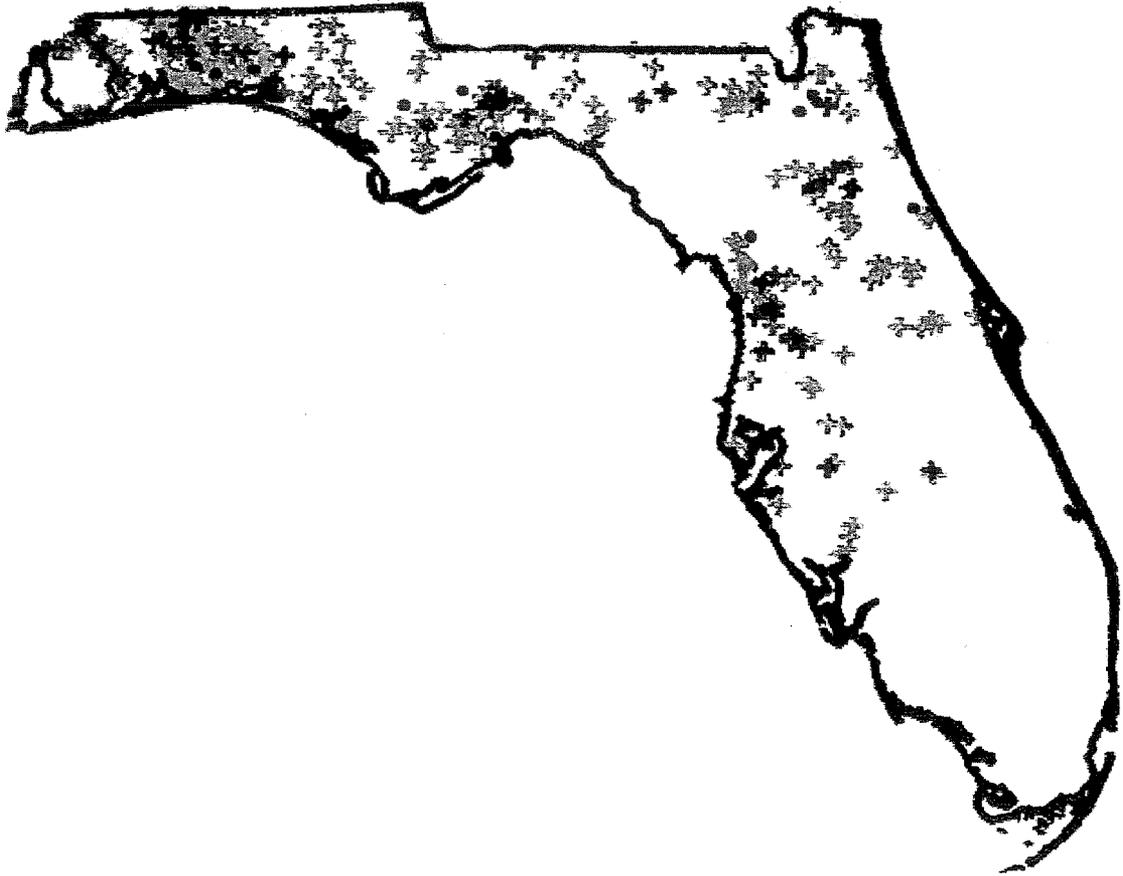
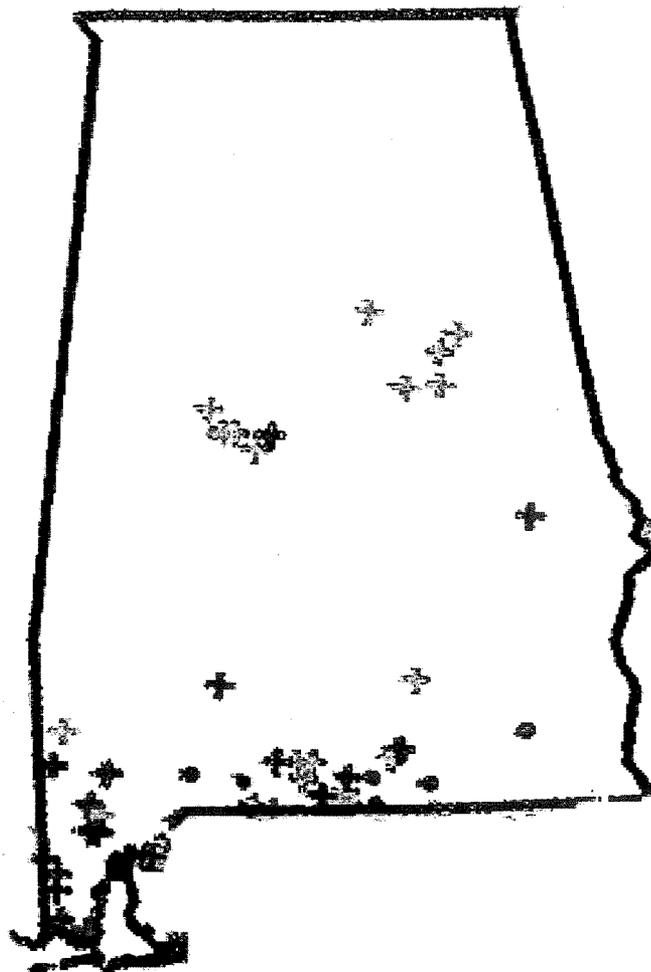
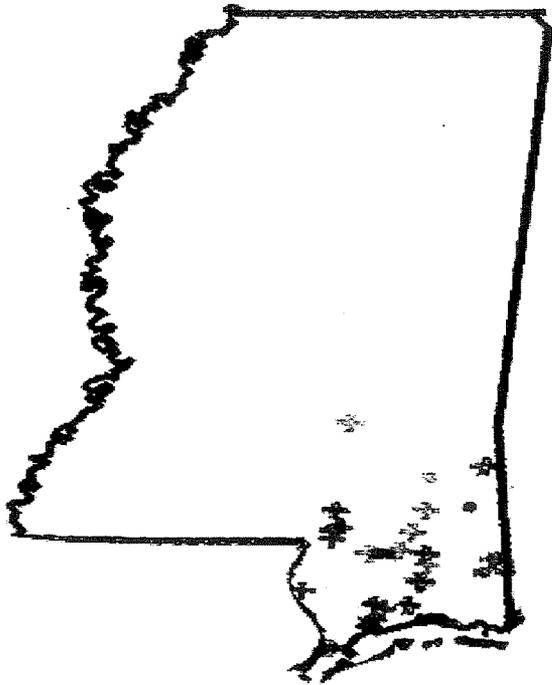


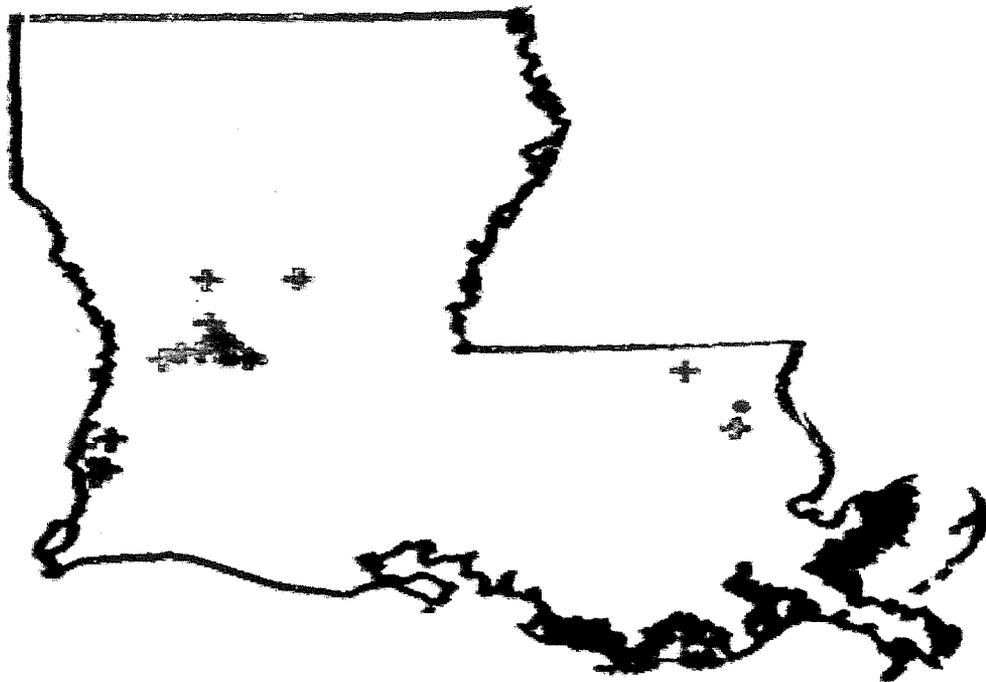
FIGURE 1f. ALABAMA LONGLEAF PINE STANDS



**FIGURE 1g. MISSISSIPPI LONGLEAF PINE STANDS**

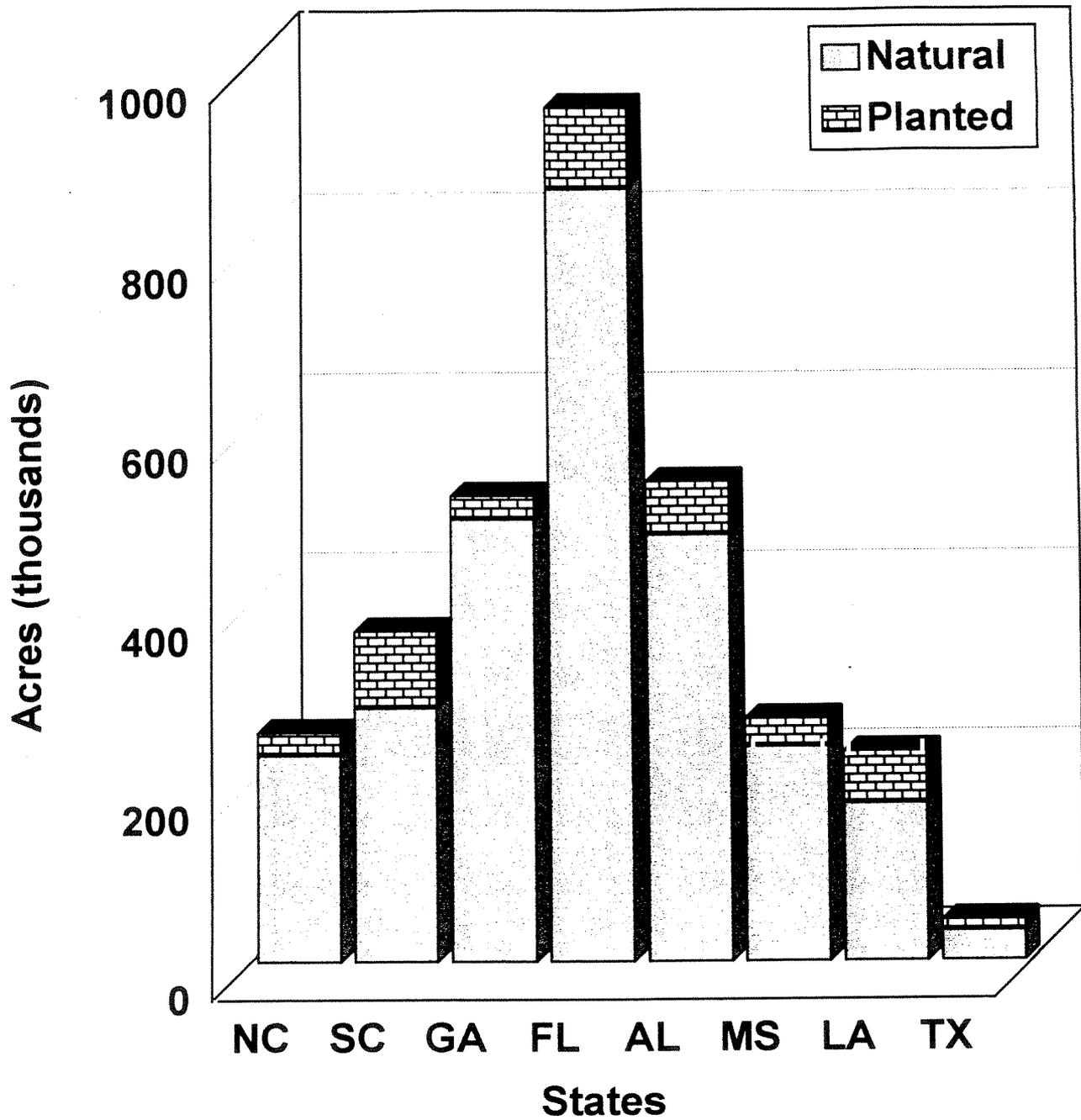


**FIGURE 1h. LOUISIANA LONGLEAF PINE STANDS**

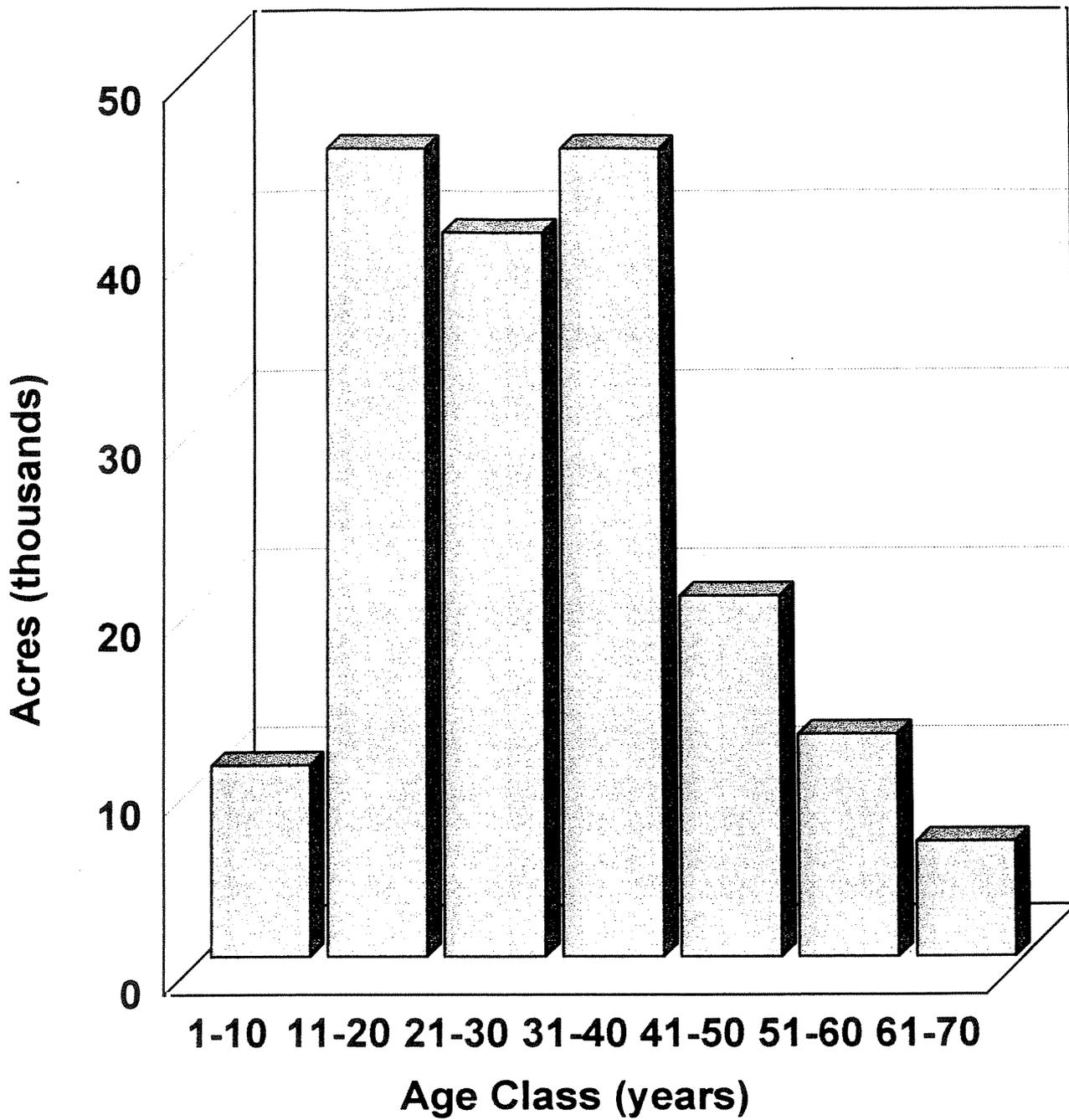


**FIGURE 11. TEXAS LONGLEAF PINE STANDS**

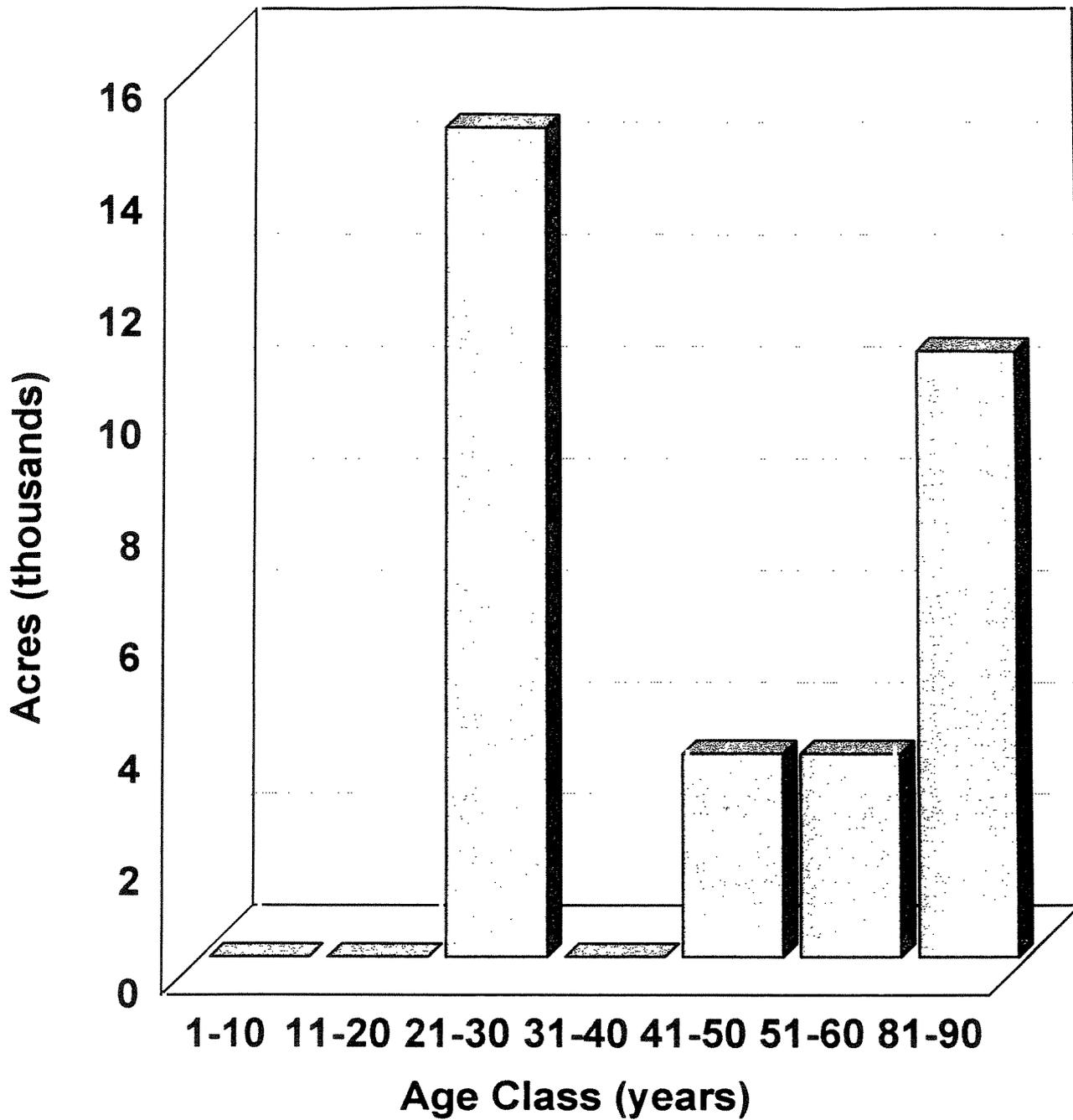




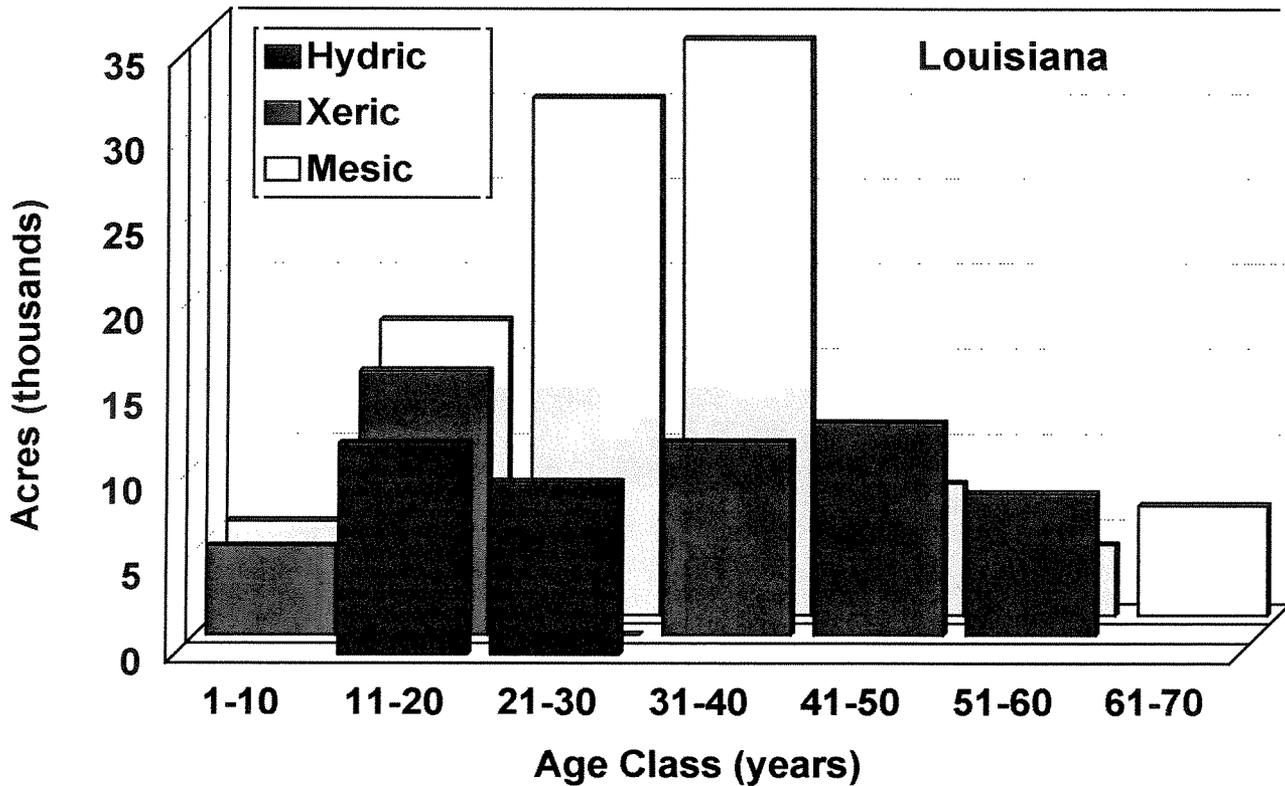
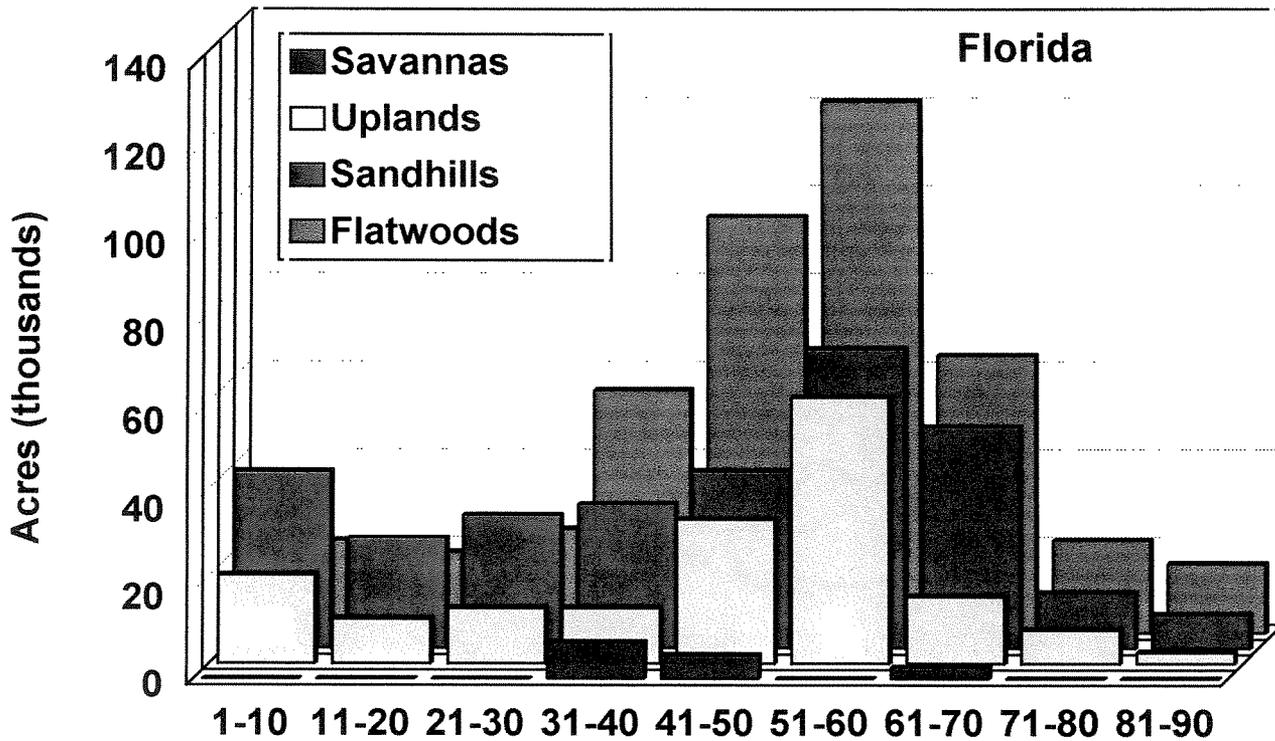
**Figures 2. Total longleaf acreage by state and origin.**



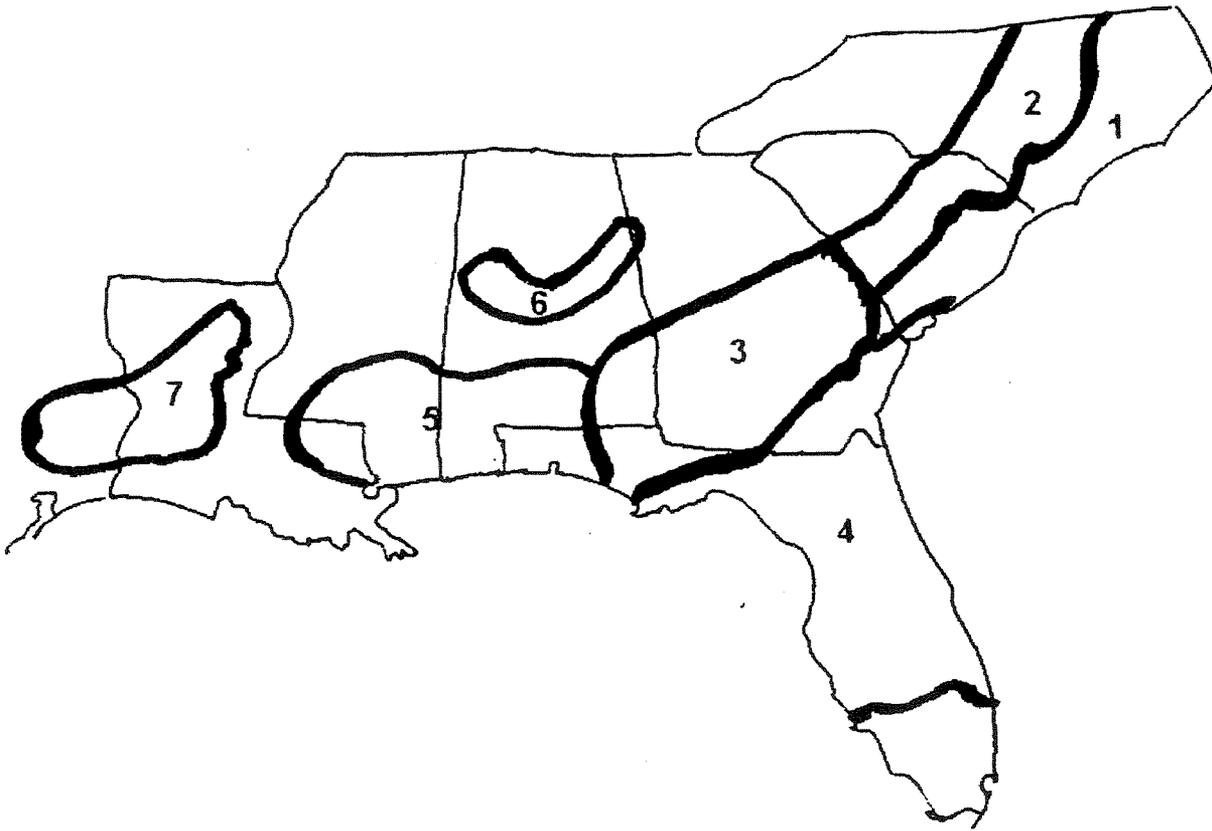
**Figure 8. Natural Longleaf pine in Louisiana by age class.**



**Figure 9. Natural Longleaf pine in Texas by age class.**



**Figure 10. Distribution of natural longleaf stands in Florida and Louisiana by age class and site type.**

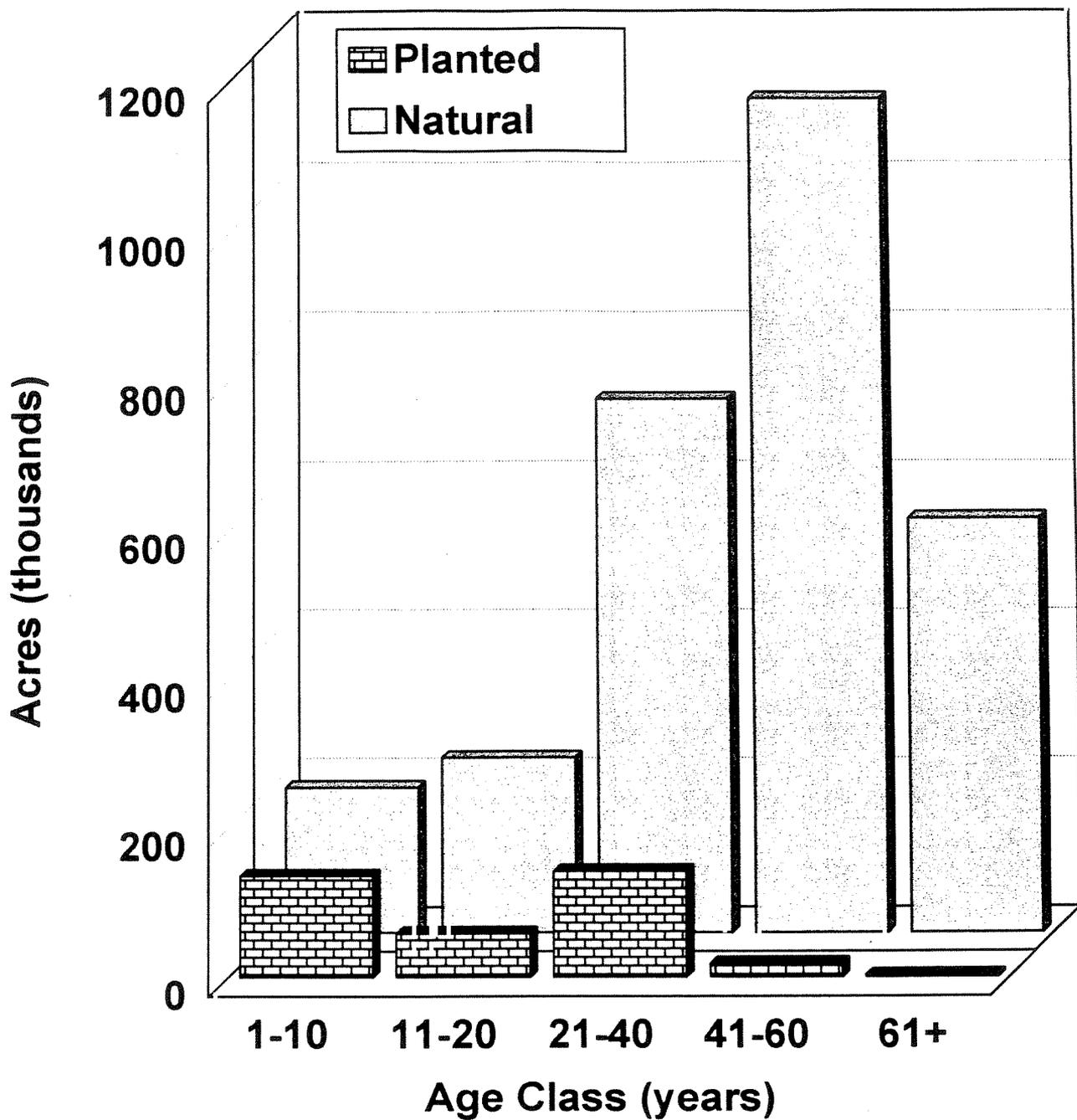


1. Carolina Coastal Plain
2. Carolina Sandhills
3. Georgia Uplands
4. Florida and Georgia Lowlands
5. Alabama and Mississippi Coastal Plain
6. Alabama Mountains
7. Texas and Louisiana Coastal Plain

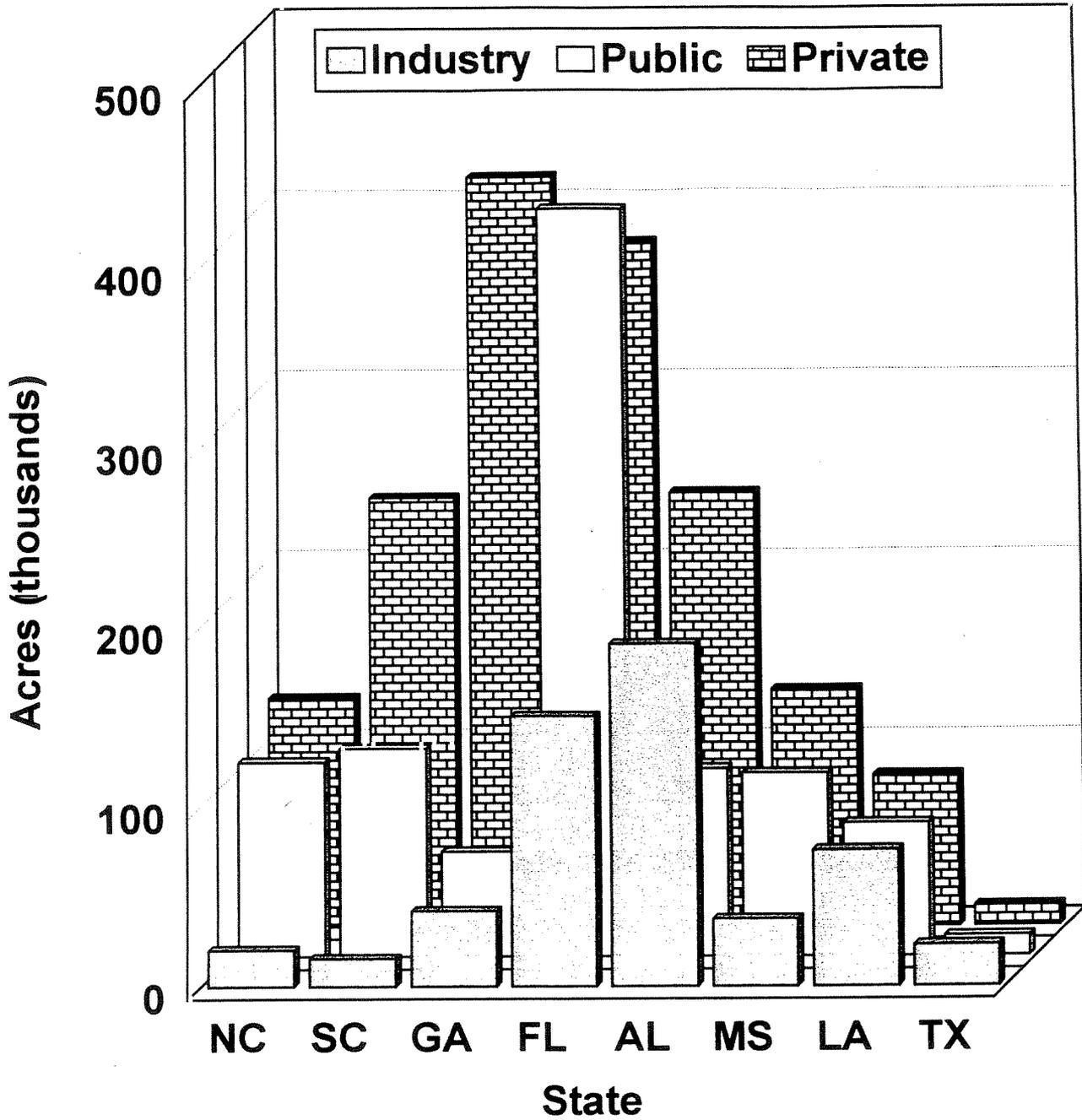
Figure 11. Site zones for longleaf communities (adapted from Craul and others, 1965).

## Literature Cited

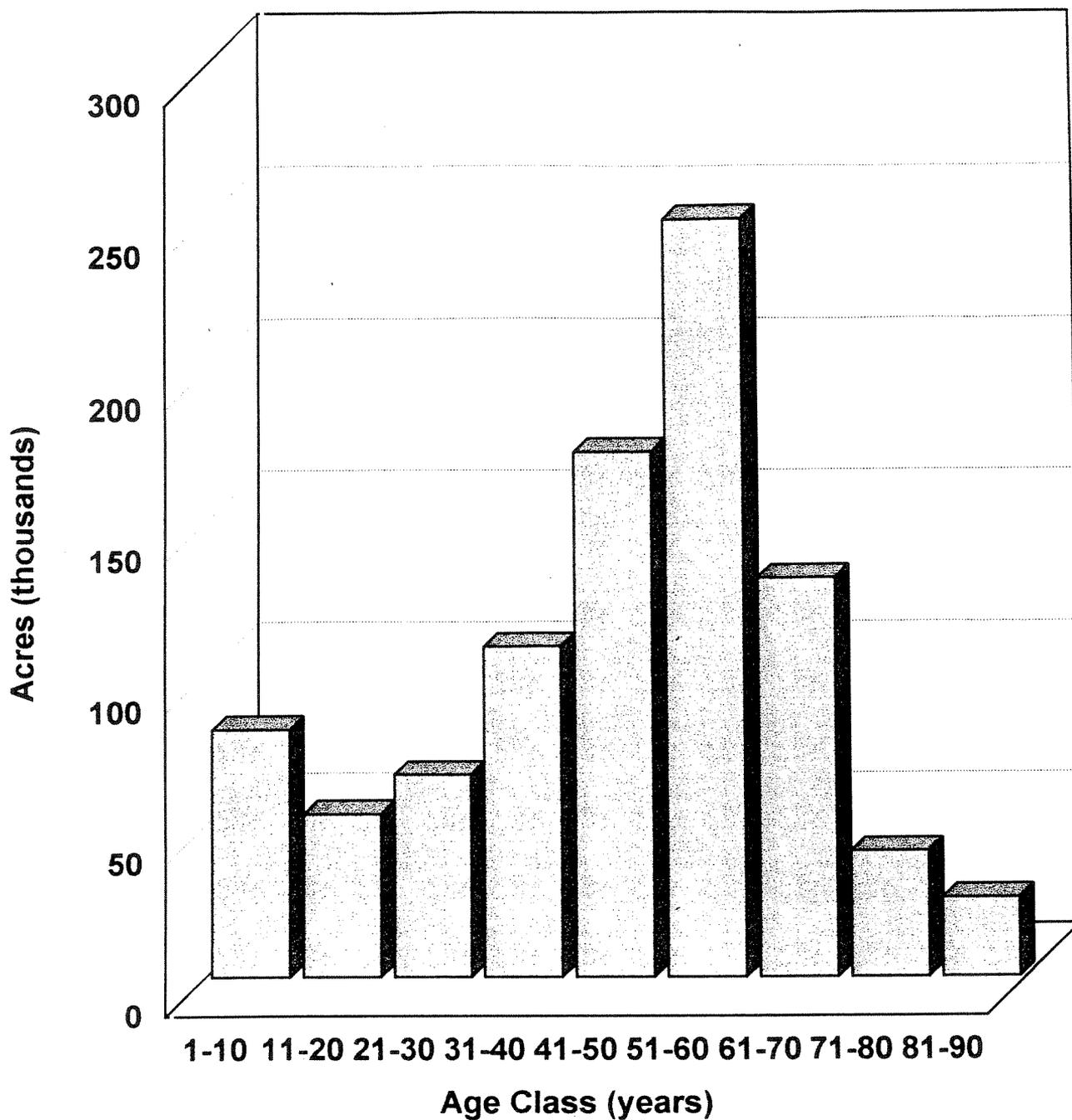
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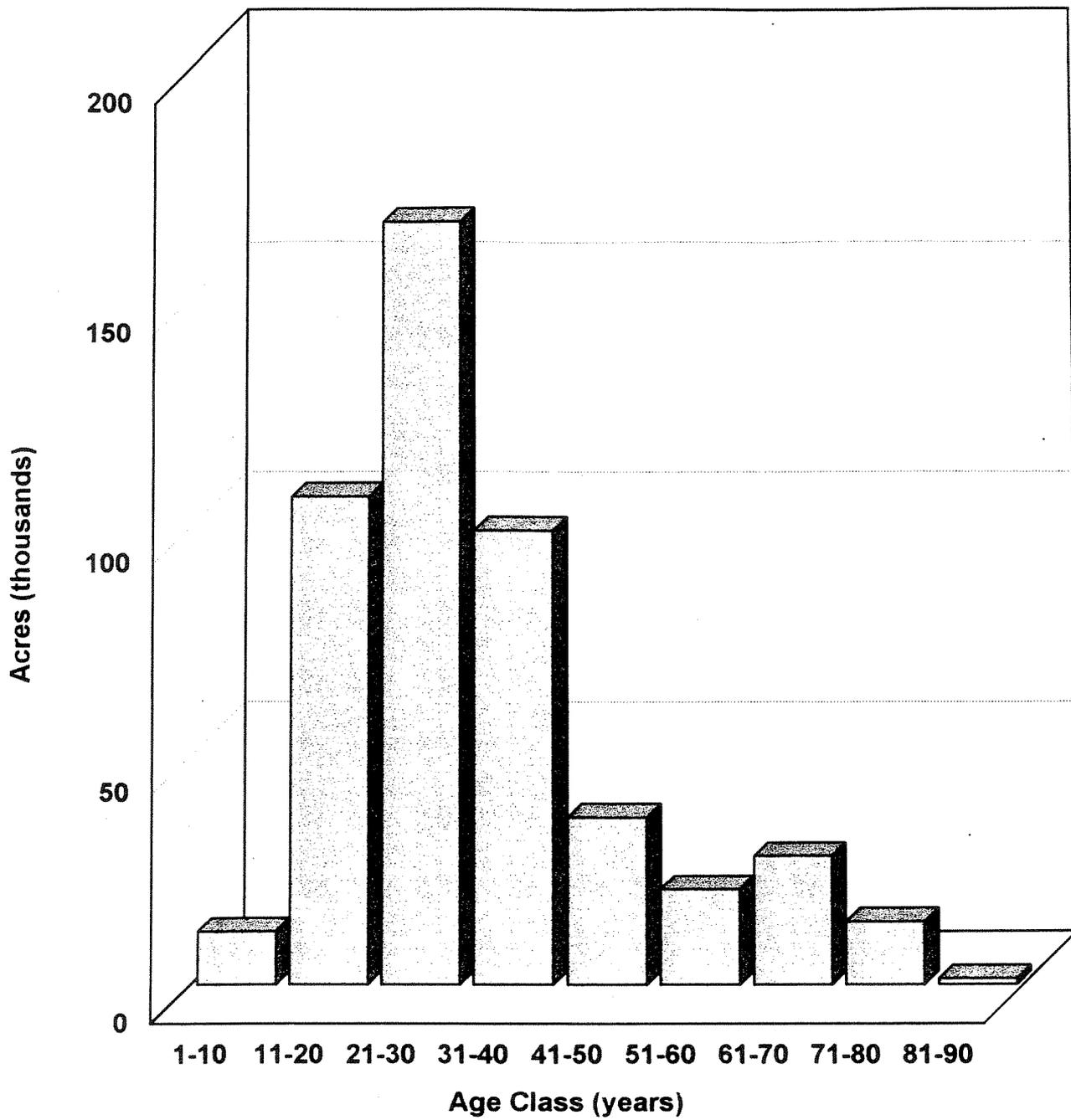
**Figure 3. Distribution of longleaf stands by origin and age class.**



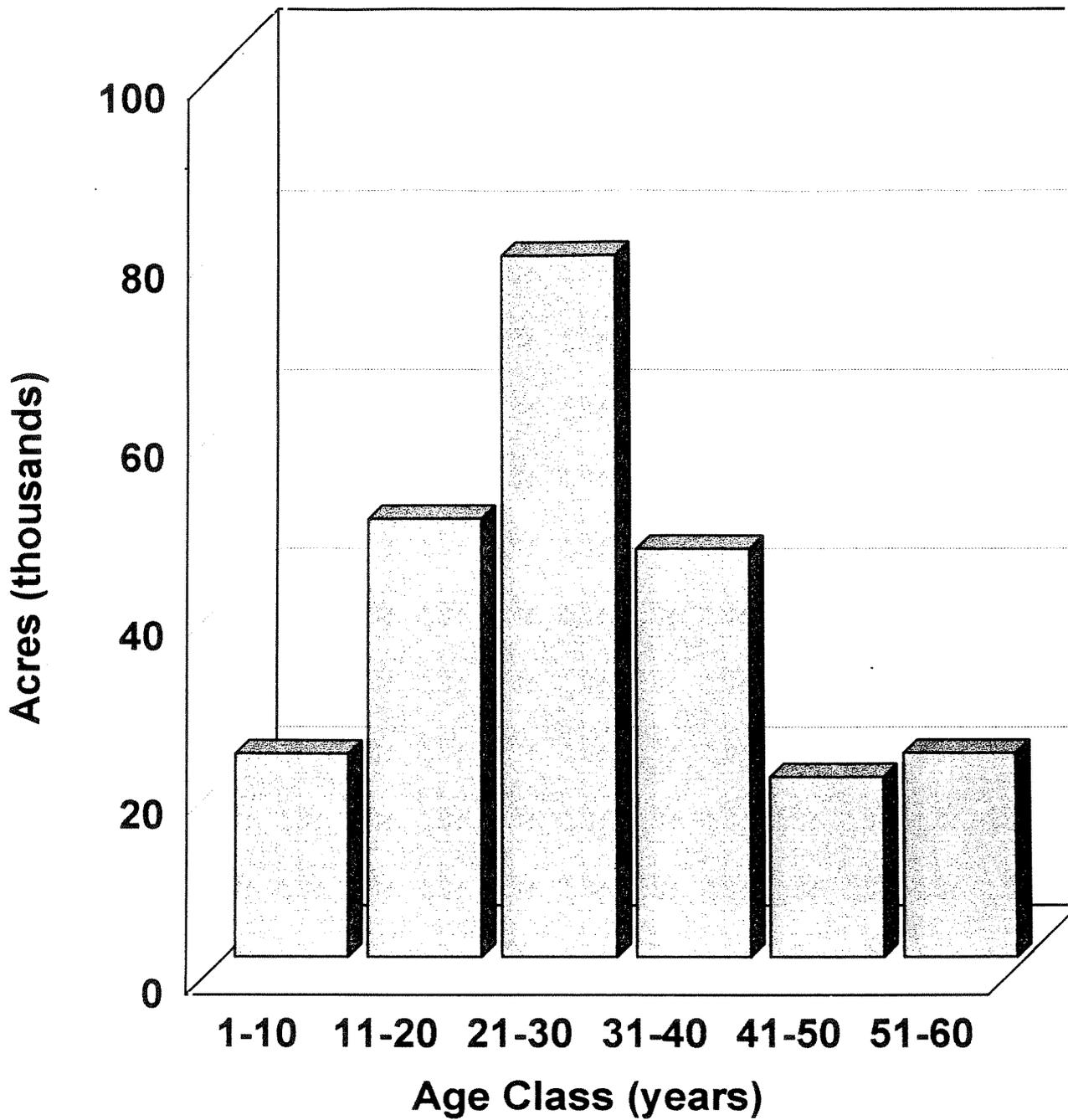
**Figure 4. Distribution of longleaf stands by state and ownership.**



**Figure 5. Natural Longleaf pine in Florida by age class.**



**Figure 6. Natural Longleaf pine in Alabama by age class.**



**Figure 7. Natural Longleaf pine in Mississippi by age class.**